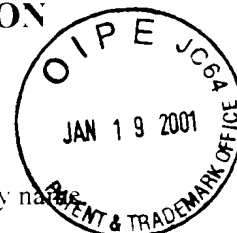


DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY



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I believe I am an original, first and joint inventor of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

Superconducting Single Photon Detector

which (check) ☐ is attached hereto.
☐ and is amended by the Preliminary Amendment attached hereto.
☒ was filed on July 28, 2000 as Application Serial No. 09/628,116
☐ and was amended on (if applicable).

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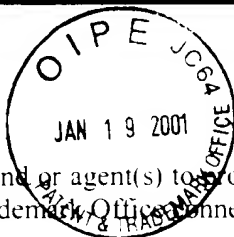
Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
N/A	

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Application Serial No.	Filing Date	Status (patented, pending, abandoned)
N A		



I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

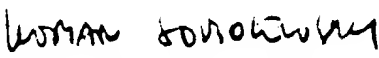
Alan H. MacPherson (24,423); Brian D. Ogonowsky (31,988); David W. Heid (25,875); Norman R. Klivans (33,003); Edward C. Kwok (33,938); David E. Steuber (25,557); Michael Shenker (34,250); Stephen A. Terrile (32,946); Peter H. Kang (40,350); Ronald J. Meetin (29,089); Ken John Koestner (33,004); Omkar K. Suryadevara (36,320); David T. Millers (37,396); Michael P. Adams (34,763); Robert B. Morrill (43,817); James E. Parsons (34,691); Philip W. Woo (39,880); Emily Haliday (38,903); Tom Hunter (38,498); Michael J. Halbert (40,633); Gary J. Edwards (41,008); Daniel P. Stewart (41,332); John T. Winburn (26,822); Tom Chen (42,406); Fabio E. Marino (43,339); Don C. Lawrence (31,975); Marc R. Ascolese (42,268); Carmen C. Cook (42,433); David G. Dolezal (41,711); Roberta P. Saxon (43,087); Mary Jo Bertani (42,321); Dale R. Cook (42,434); Sam G. Campbell (42,381); Matthew J. Brigham (44,047); Hugh H. Matsubayashi (43,779); Patrick D. Benedicto (40,909); T.J. Singh (39,535); Shireen Irani Bacon (40,494); Rory G. Bens (44,028); George Wolken, Jr. (30,441); John A. Odozynski (28,769); Cameron K. Kerrigan (44,826); Paul E. Lewkowicz (44,870); Theodore P. Lopez (44,881); Mayankkumar M. Dixit (44,064); Eric Stephenson (38,321); Christopher Allenby (45,906); David C. Hsia (46,235); Mark J. Rozman (42,117); Margaret M. Kelton (44,182); Do Te Kim (46,231); Alex Chen (45,591); Monique M. Heyninck (44,763); Gregory J. Michelson (44,940); Jonathan Geld (44,702); Emmanuel Rivera (45,760); Jason FarHadian (42,523); Matthew J. Spark (43,453); and Elaine H. Lo (41,158).

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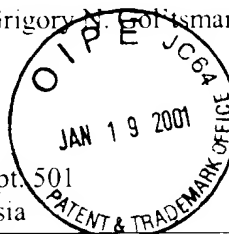
Norman R. Klivans
Attorney for Applicants
SKJERVEN MORRILL MacPHERSON LLP
25 Metro Drive, Suite 700
San Jose, California 95110-1349

Telephone: 408-453-9200
Facsimile: 408-453-7979

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Full name of first joint inventor:	Roman Sobolewski	
Inventor's Signature:		Date: DEC. 11, 2000
Residence:	Pittsford, New York 14534	
Post Office Address:	3 Cambric Circle Pittsford, NY 14534	Citizenship: POLAND

Full name of second joint inventor:	Grigory N. Goltsman		
Inventor's Signature:		Date:	
Residence:	Moscow, Russia		
Post Office Address:	74 Altufevskoe Ch., Apt. 501 Moscow, 127349, Russia	Citizenship:	RUSSIA



Full name of third joint inventor:	Alexey D. Semenov		
Inventor's Signature:		Date:	
Residence:	Moscow, Russia		
Post Office Address:	11 Lukinskaya Street, Apt. 616 Moscow, 119634, Russia	Citizenship:	RUSSIA

Full name of fourth joint inventor:	Oleg V. Okunev		
Inventor's Signature:		Date:	
Residence:	Moscow, Russia		
Post Office Address:	4 Ak. Vinogradova Street, Apt. 172 Moscow, 113143, Russia	Citizenship:	RUSSIA

Full name of fifth joint inventor:	Kenneth R. Wilsher		
Inventor's Signature:		Date:	
Residence:	Palo Alto, California		
Post Office Address:	1085 Emerson St Palo Alto, CA 94301	Citizenship:	USA

Full name of sixth joint inventor:	Steven A. Kasapi		
Inventor's Signature:		Date:	
Residence:	San Francisco, California		
Post Office Address:	584 Castro Street San Francisco, CA 94114	Citizenship:	CANADA

DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

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Superconducting Single Photon Detector

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☐ and is amended by the Preliminary Amendment attached hereto.
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Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>

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N/A	

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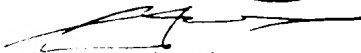
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Inventor's Signature: 

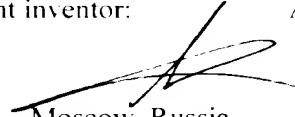
Date: 9 Dec 2000 (12/09/2000)

Residence: Moscow, Russia

Post Office Address: 74 Altufevskoe Ch., Apt. 501
Moscow, 127349, Russia

Citizenship: RUSSIA

Full name of third joint inventor: Alexey D. Semenov

Inventor's Signature: 

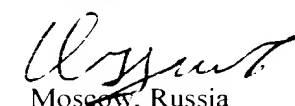
Date: 12/11/2000

Residence: Moscow, Russia

Post Office Address: 11 Lukinskaya Street, Apt. 616
Moscow, 119634, Russia

Citizenship: RUSSIA

Full name of fourth joint inventor: Oleg V. Okunev

Inventor's Signature: 

Date: 12/12/2000

Residence: Moscow, Russia

Post Office Address: 4 Ak. Vinogradova Street, Apt. 172
Moscow, 113143, Russia

Citizenship: RUSSIA

Full name of fifth joint inventor: Kenneth R. Wilsher

Inventor's Signature:

Date:

Residence: Palo Alto, California

Post Office Address: 1085 Emerson St
Palo Alto, CA 94301

Citizenship: USA

Full name of sixth joint inventor: Steven A. Kasapi

Inventor's Signature:

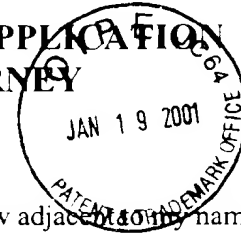
Date:

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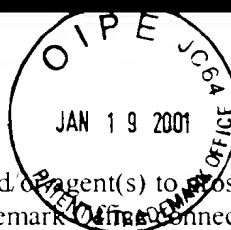
Prior Foreign Application(s)			Priority Claimed	
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Inventor's Signature:		Date:	
Residence:	Pittsford, New York 14534		
Post Office Address:	3 Cambric Circle Pittsford, NY 14534	Citizenship:	POLAND

Full name of second joint inventor:

Grigory N. Golitsman

Inventor's Signature:

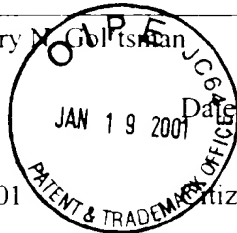
Residence:

Moscow, Russia

Post Office Address:

74 Altufevskoe Ch., Apt. 501
Moscow, 127349, Russia

Citizenship: RUSSIA



Full name of third joint inventor:

Alexey D. Semenov

Inventor's Signature:

Date:

Residence:

Moscow, Russia

Post Office Address:

11 Lukinskaya Street, Apt. 616
Moscow, 119634, Russia

Citizenship: RUSSIA

Full name of fourth joint inventor:

Oleg V. Okunev

Inventor's Signature:

Date:

Residence:

Moscow, Russia

Post Office Address:

4 Ak. Vinogradova Street, Apt. 172
Moscow, 113143, Russia

Citizenship: RUSSIA

Full name of fifth joint inventor:

Kenneth R. Wilsher

Inventor's Signature:

Kenneth R. Wilsher

Date: December 4, 2000

Residence:

Palo Alto, California

Post Office Address:

1085 Emerson St
Palo Alto, CA 94301

Citizenship: USA

Full name of sixth joint inventor:

Steven A. Kasapi

Inventor's Signature:

Steven A. Kasapi

Date: December 13, 2000

Residence:

San Francisco, California

Post Office Address:

584 Castro Street PMB 681
San Francisco, CA 94114

Citizenship: CANADA